5th STUDENTS' CONFERENCE ON ENGINEERING AND SYSTEMS (SCES 2019)

May 29 - 31, 2019

Organised by
Department of Electrical Engineering
Motilal Nehru National Institute of Technology Allahabad India

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Oral & Poster Sessions Paper Presentation Schedule

Session: TS-01 (Converter Design and Power Quality Analysis)

Session Chairs: Prof. R. K. Tripathi (MNNIT Allahabad)
Prof. Rajesh Gupta (MNNIT Allahabad)
Dr. M. V. Naik (MNNIT Allahabad)

Date: 30th May, 2019 (Thursday) **Time:** 9:30 AM - 11:00 AM
Venue: Institute Seminar Hall

S. No.	Paper ID	Author	Title
1.	78	Satya Prakash, Madhusmita Mohanty and Subhransu Padhee	Design of Multi-Staged Power Electronic Interface for Stand-alone Application Powered by Photovoltaic Module
2.	79	Manish sanwal, Ravindra Kumar Singh and S. venkataramana	High Gain DC-DC Converter using Coupled Inductors for Renewable Application
3.	87	Niranjan Kumar, Alok Agrawal and Rajesh Gupta	Split Bridge Bi-directional DAB Converter for Multiple Battery Stacks in Solar PV System
4.	89	Ankit Mittle, Ravindra Kumar Singh and Sarath Chandra	A New Interleaved High Step-up DC-DC Converter
5.	94	Divya Yadav and Swapnajit Pattnaik	A Capacitor Voltage Balancing Method in Modular Multilevel Converter using Selective Mapping
6.	128	Zeeshan Rayeen, Omar Hanif and Sourav Bose	Modelling and analysis of Interleaved Cuk converter controlled by PID controller with phase shift PWM method
7.	53	Prachi Singh and Dr. Bramha P. Pandey	Theoretical study of single and dual gate MoS_2 based TMDFET by varying oxide thickness and channel length

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Oral & Poster Sessions Paper Presentation Schedule

Session: TS-02 (Power Systems Operations & Control)

Session Chairs: Prof. R. K. Singh (MNNIT Allahabad)
Prof. Asheesh Kumar Singh (MNNIT Allahabad)
Dr. Navneet Kumar Singh (MNNIT Allahabad)

Date: 30th May, 2019 (Thursday)   **Time:** 2:00 PM - 3:30 PM
Venue: Institute Seminar Hall

S. No.	Paper ID	Author	Title
1.	02	Satvik Sabarad and Shubhashis Sanyal	Establishing an optimal eco-driving strategy for an electric vehicle through test bed simulation – A case study from Shell Eco-Marathon 2018
2.	104	Mohd Juned, Manisha and Prerna Gaur	Effect of Higher Order DC-DC Converter on Solar fed BLDC Motor Driven Water Pumping System
3.	110	Badri Chaithanya Krishna Prasad, Bandi Mallikarjuna Reddy and Paulson Samuel	Multi Source Bidirectional DC/DC Converter by Using PV-Wind-Battery based integration for Domestic Applications
4.	119	Anurag Sharma and Rajesh Gupta	PV-Battery Supported Level-1 DC Fast charger for Electric Vehicles
5.	134	Anil Bharadwaj.Ch, Suman Maiti and Nirmalya Dhal	Control and State of Charge Balancing Technique of a Modular Multilevel STATCOM Integrated with Battery Energy Storage System
6.	61	Prakash Chandra Gupta, Atanu Banerjee and Piyush Pratap Singh	Analysis and Control of Chaotic Oscillation in FOSMIB Power System Using AISMC Technique

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Session: TS-03 (Soft Computing Approach in Engineering Applications)

Session Chairs: Prof. Amit Dhawan (MNNIT Allahabad)
Prof. A. K. Singh (MNNIT Allahabad)
Dr. Dipayan Guha (MNNIT Allahabad)

Date: 30th May, 2019 (Thursday)   **Time:** 4:00 PM - 5:30 PM
Venue: Institute Seminar Hall

S. No.	Paper ID	Author	Title
1.	30	Priyanka TS, Roshni Venkatesh, Sourabh RM and Bhaskarjyoti Das	Course Finder Based On An Ensemble of Similarities And Social Network Analysis
2.	33	Satvik Kumar, Shreyas Vivek Patil, Siddhanth Vinay and Bhaskarjyoti Das	Node embedding based community detection and other techniques to analyze implicit social graph of a literary text series
3.	35	Sai Rohit, Vishwas Sathish, Tanya Mehrotra, and Bhaskarjyoti Das	Applications of Optimal Stopping Algorithm for Social Graph Based Recommendation
4.	65	Swati Jain, Suraj Prakash Narayan, Rupesh Kumar Dewang, Utkarsh Bhartiya, Nalini Meena, and Varun Kumar	A Machine Learning based Depression Analysis and Suicidal Ideation Detection System using Questionnaires and Twitter
5.	115	Akansha Yadav and Sudhanshu Verma	Aperture coupled L-shaped slot based Microstrip Patch Antenna for Multiband Wireless Communication
6.	108	Vishesh Middha, Sanjay Kumar Sonbhadra and Sonali Agarwal	Concept Drift Detection in Email Dataset through Intention Based Segmentation
7.	112	Anirban Sarkar, Sanjay Kumar Sonbhadra and Sonali Agarwal	Predictive Analytics using Ensemble Models

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Oral & Poster Sessions Paper Presentation Schedule

Session: TS-04 (Model Order Reduction and Intelligent Control Systems)

Session Chairs: Prof. Shubhi Purwar (MNNIT Allahabad)
Prof. Richa Negi (MNNIT Allahabad)
Dr. Niraj Kumar Choudhary (MNNIT Allahabad)

Date: 31st May, 2019 (Friday) **Time:** 2:30 PM – 4:00 PM
Venue: Institute Seminar Hall

S. No.	Paper ID	Author	Title
1.	120	Nitin Verma , Pavan Kumar Singh , Nitin Singh, and Richa Negi	Short Term Wind Power Forecasting using Optimized WT-ANFIS Hybrid Model
2.	124	Ashish Kumar Singh, Parvez Ahmad, Nitin Singh, and Niraj Kumar Choudhary	Load Frequency Control of Single Area Hybrid Power System Using Fuzzy-PID (FPID) Controller
3.	72	Chhabindra Nath Singh, Akhilesh Kumar Gupta, Deepak Kumar and Paulson Samuel	Improved Pole Clustering Based Simplification of Complex Systems using Big Bang-Big Crunch Optimization
4.	143	Abhisek Satapathi and Deepak Kumar	A New Stability Preserving Model Reduction Technique for Discrete-Time Systems using Frequency-Limited Gramians
5.	147	Satya Prakash Singh and Deepak Kumar	Singular Perturbation based Frequency-Weighted Model Reduction of Discrete-Time Systems
6.	73	Jaynendra Kumar, Nitin Singh, Anshul Agarwal	Power Management of Solar based DCMG supported by Hybrid Energy Storage System

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Session:	Poster Session
Session Chairs:	Prof. Nand Kishor (MNNIT Allahabad)
	Prof. A. D. Bhatt (MNNIT Allahabad)
	Dr. Himanshu Mishra (MNNIT Allahabad)

Date: 31st May, 2019 (Friday)   **Time:** 12:30 PM - 1:30 PM
Venue: **Institute Seminar Hall**

S.No.	Paper ID	Author	Title
1.	36	Biranchi Narayan Kar, Bandi Mallikarjuna Reddy, and Paulson Samuel	Indirect Vector Control of Induction Motor Using Brain Emotional Learning Based Intelligent Controller
2.	42	Kirti Gupta and Saumendra Sarangi	Adapting Relaying Using Estimated Voltage for Inverter Based Distributed Generation System
3.	45	Aakriti Pandey and Swapnajit Pattnaik	Design and Analysis of High Boost Converter with Reduced Switch-Voltage Stress
4.	49	Shipra Tiwari and Dr. Saumendra Sarangi	Comparison of Current Stress For Different Modulation Techniques In Dual Active Bridge Converter
5.	50	Ankit Attkan and Priyanka Ahlawat	Authentication Schemes for IoT security: A Survey
6.	62	Ande Venkata durgaprasad, Nita R.Patne and Ajay kumar T	Voltage Sag Compensation at Point Common Coupling (PCC) using Parallel Resonance Fault Current Limiter
7.	92	Suraj Kumar Gadari, Komal Mishra and Saumendra Sarangi	Detailed analysis of Fuzzy Logic Controller for Second order DC-DC Converters
8.	139	Avinash Kumar and Ravi Prakash Tewari	'Pneumatic Artificial Muscle': A Bio-inspired Actuator for Bio-Robotic Applications
9.	142	Sandeep Ojha and Rajesh Gupta,	Non-Periodicity of Current Tracking in Digitally Controlled HCC